रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.—(D.N.) 128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 13] NEW DELHI, SATURDAY, MARCH 30, 1991 (CHAITRA 9, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 30th March, 1991

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 30 मार्च 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिसे"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिविवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पैटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

CORRIGENDUM

In the Gazette of India, Part-III, Section-2 dated 25th August, 1990 in respect of Patent No. 167064 in the Page No. 966 read the application No. as 19/Bom/1988 Instead of 10/Bom/1988.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

19th February, 1991

156/Cal/91 M/s Satyajit Engineering Industries Pvt. Ltd. Electronic Ballast for 20 Watt, 40 Watt and 2×40 watts Fluoroscent Tube light.

157/Cal/91 Debojyoti Bandyopadhyay. Fuel saving device for petrol driven car.

20th February, 1991

158/Cal/91 Degussa Aktiengesellschaft. A method of coating ceramic honeycomb members with finely divided solids.

159/Cal/91 General Electric Company. Electronic compensation system for elimination or reduction of interchannel interference in noise cancellation systems.

160/Cal/91 Instituto Poligrafico e Zecca dello stato and Verres S.p.A. Bimetallic coin blank, particularly for coins and the like.

21st February, 1991

161/Cal/91 Engelhard Corporation. Animal feed composition and method for inactivating mycotoxins present in animal feed.

162/Cal/91 Elitex Cerveny Kostelec. Draw-off funnel for rotor spinning of yarn.

163/Cal/91 Norsolor. Process for producing improved thermoplastic compositions.
[Divisional dated 6th May, 1988]

164/Cal/91 Giorgini Maggi S.r.l. Procedure for the washing and composition control of abrasive pupls used in the cutting of granite and similar stones and relative apparatus.

22nd February, 1991

165/Cal/91 Sri Raghavarapu Venkata Krishnarao, Dr. Mahadev Malhar Godkhindi and Prof. Pudkotta Gopal Iyengar Mukanda. A process for bonding of dense silicon nitride.

166/Cal/91 Raghavarapu Venkata Krishnarao, A process for production and maximisation of formation SiC. whiskers from rice husks.

167/Cal/91 Raghavarapu Venkata Krishnarao. A process for conversion of Si_3N_4 to Sic. whiskers.

168/Cal/91 Raghavarapu Venkata Krishnarao. A process for conversion of rice husks to SiC whiskers.

169/Cal/91 E.I.Du Pont De Nemours and Company. Lidding for containers.

170/Cal/91 Aluminium Pechiney. Colorimetric method for continuous control of impurities on hydrate of alumina.

171/Cal/91 S.N.C. Melchior Technologie. Improvements in two-stroke internal combustion engines with a compression ignition of diesel type.

172/Cal/91 Hitachi Construction Machinery Co. Ltd. Variable displacement bent axis type hydraulic machine.

173/Cal/91 Industrial Quimica Del Nalon SA. Process for obtaining acids and salts in dissolution by Ion exchange resins.
[Divisional dated 21st March, 1988]

174/Cal/91 Nitto Chemical Industry Co. Ltd; Teruhiko Beppu; Hideaki Yamada. DNA fragment encoding a polypeptide having nitrile hydratase activity, methods of producing same transformant containing the gene and a process for the production of nitrlles and amides using the transformant.

25th February, 1991

175/Cal/91 Himont Incorporated. Process for the production of propylene polymer films and laminates and products thus obtained.

176/Cal/91 Daikin Industries, Ltd. Azeotropic solvent composition and a process for its manufacturing.

177/Cal/91 C.R. Bard, Inc. Surgical gripping instrument.

178/Cal/91 E.I.Du Pont De Nemours and Company. Process for purifying hydrogen fluoride.

179/Cal/91 E.I.Du Pont De Nemours and Company. Halogen exchange fluorination.

180/Cal/91 E.I.Du Pont De Nemours and Company. High melt viscosity fluoropolymer process aid.

181/Cal/91 Hitachi, Ltd. Power Apparatus and method of location of a fault in a power apparatus.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Voest-Alpine Bergtechnik Gesellschaft m.b.H. under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 168210 in their name has been allowed.

(2)

The claim made by International Control Automation Finance S.A. under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 167725 in their name has been allowed.

(3)

The claim made by Babcock & Wilcox Tracy Power Inc. under Section 20(1) of the Patents Act, 1970 to Proceed the application for patent No. 167725 in their name has been allowed.

PATENTS SEALED

163833 164936 165092 165256 165561 165580 165590 165821 165897 166070 166079 166081 166170 166135 166228 166316 166364 166429 166480 166529 166538 166539 166543 166574 166579 166587 166597 166703 166782 166807 166809 166810 166852.

CAL—12
DEL— 9
MAS— 6
BOM— 6

RENEWAL FEES PAID

147067 147395 147449 147912 148026 148354 148862 148866 149195 149255 149318 149321 149358 149659 149736 150192 150275 150284 150299 150476 151048 151049 151050 151081 151278 151774 151894 151979 152124 152320 152346 152617 153065 153201 153215 153240 153244 153330 153331 153332 153362 153363 153368 153373 153422 153512 153556 153617 153740 153802 153811 153954 153955 154107 154108 154154 154155 154306 154582 154750 154754 154762 154872 154873 154874 154892 154955 155008 155022 155165 155177 155179 155347 155435 155750 155796 156175 156176 156177 156178 156938 156989 157108 157109 157111 157114 157170 157219 157255 157260 157336 157369 157373 157490 157506 157650 157762 157839 158128 158253 158268 158282 158440 158460 158465 158466 158467 158577 158657 158616 158758 158767 158781 158800 159111 159114 159117 159275 159483 159536 159759 159760 159870 159899 159900 159915 159919 160180 160189 160191 160199 160200 160218 160219 160220 160354 160446 160534 160538 160547 160670 160682 160752 160805 160828 160837 160911 161104 161165 161178 161237 161238 161286 161408 161418 161459 161566 161589 161619 161709 161785 161787 161788 161858 161880 161970 161971 162021 162147 162158 162242 162498 162499 162523 162574 162615 162644 162652 162668 162684 162747 162811 162859 162878 163071 163114 163359 163520 163616 163725 163726 163766 163807 163816 163817 163860 163871 163918 163999 164003 164033 164034 164048 164083 164099 164179 164306 164321 164419 164524 164525 164526 164549 164601 164612 164619 164684 164696 164709 164790 164815 164838 164896 164897 164898 164904 164967 164968 164974 165019 165042 165142 165143 165167 165191 165213 165215 165216 165258 165279 165311 165324 165326 165338 165340 165361 165365 165369 165398 165567 165573 165769 166008 166071 166201 166204 166466 166540 166551 166624 166639

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151747 granted to Indian Oxygen Limited for an invention relating to "an improved process for the production of gamma Variety of mangenese dioxide".

The patent ceased on the 31st December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9th February, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4 Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 30th May 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163426 granted to Cummins Engine Company, Inc. for an invention relating to "a fuel replacement system for use in an internal combustion engine"

The patent ceased on the 21st December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 9th February, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 30th May 1991 under Rule 69 of the Patents Rules, 1972, A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165331 granted to The Cross Company for an invention relating to "mechanism for pre-loading bearings"

The patent ceased on the 6th November, 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 9th February, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 30th May 1991 under Rule 69 of the Patents Rules, 1972, A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160582 granted to National Research Development Corporation of India for an invention relating to "an improved process for the preparation of pure Silicon".

The patent ceased on the 11th January, 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9th February, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 30th May 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163732 granted to Westinghouse Electric Corporation for an invention relating to "a method of constructing an electrical winding insulated with solid resinous insulation".

The patent ceased on the 27th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 9th February, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 30th May 1991 under Rule 69 of the Patents Rules, 1972, A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application for restoration of Patent No. 164552 dated the 5th June 1986 made by Kumaravale Thangaraj on the 7th May 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th September, 1990 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent No. 149059 dated the 19th May 1979 made by the Ahmedabad Manufacturing & Calico Printing Company Limited on the 8th May 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th September, 1990 has been allowed and the said patent restored.

(8)

Notice is hereby given that an application for restoration of Patent No. 156192 dated the 22nd May 1982 made by Ahmedabad Manufacturing and Calico Printing Co. Ltd. on the 14th May 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th September, 1990 has been allowed and the said patent restored.

(9)

Notice is hereby given that an application for restoration of Patent No. 161572 dated the 27th October 1983 made by Harford Overseas Limited on the 16th July 1990 and notified in the Gazette of India, Part III, Section 2 dated the 17th November, 1990 has been allowed and the said patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्ची)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 32 F_1[IX(1)]; 55 E_4 [XIX(1)]. 168401
Int. Cl. : A 61 K-27/00, C 07 D-311/00.

A PROCESS FOR THE PREPARATION OF NOVEL POLYOXYGENATED LABDANE DERIVATIVES HAVING PHARMACOLOGICAL PROPERTIES.

Applicants : HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : (1) DR. YATENDRA KHANDELWAL, (2) MRS. GRETA MORAES, (3) DR. BANSILAL, (4) MR. VIJAY ATMARAM AROSKAR, (5) DR. ALIHUSSEIN NOMANBHAI DOHADWALLA, (6) DR. RICHARD HELMUT RUPP.

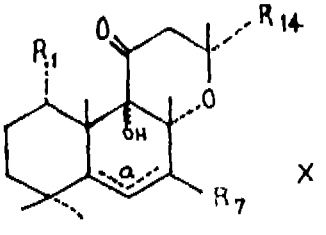
Application No. 266/Bom/1987, filed on 20-8-1987.

Complete after provisional left on 17-11-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A process for the preparation of novel polyoxygenated labdane derivatives of the formula I



Formula I

wherein R_1 stands for OH, R_7 stands for a group of the formula shown in Fig. 1

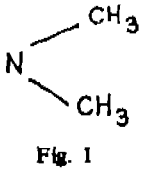


Fig. 1

wherein A and A' each stands for oxygen or sulphur, B stands for oxygen, sulphur or NH or CH_2, R_{15}—R_{18} each stands for hydrogen, alkyl, aryl, aralkyl, hydroxy, acyl, alkoxy, thiol or halogen or a group of the formula $NR_{16}R_{17}$, wherein when R_{16} and R_{17} are the same they

stand for hydrogen, alkyl, substituted alkyl, aryl, or aralkyl, when R_{24} stands for hydrogen R_{25} stands for alkyl substituted alkyl, cycloalkyl, aralkyl, aryl, heterocycle, amino substituted amino such as dialkyl amino, alkylamino, arylamino or aralkylamino, hydroxy, thiol, acyloxy, acyl, carbamoyl, carboxy, alkyl, carbalkoxy alkyl, dialkylamino or alkyl, when R_{24} stands for alkyl, R_{25} stands for substituted alkyl, cycloalkyl, aryl, aralkyl, dialkylamino or alkyl, when R_{24} and R_{25} are taken together with the nitrogen atom to which they are attached for heterocyclic group containing one or more places by alkyl, aryl, hydroxyalkyl, halogen, hydroxy, alkoxy, or other heterocyclic group with the condition that the group contains a minimum of three of the symbols R_{15}—R_{23} at any one time, with at least one of the three symbols bearing a heteroatom such as N, o or S, 1, m, n, l, m', n' and p each stands for 0 to 10; R_{14} stands for vinyl and 'a' stands for an optional bond which may be located at either the 5, 6 or 6, 7 position; and X stands for a pharamacologically acceptable salt said process comprises reacting a compound of the formula IIa

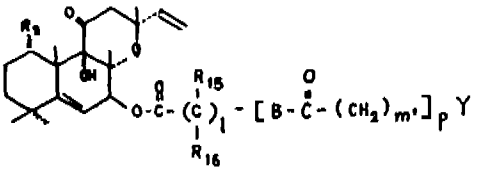


Fig. IIa

wherein R_2 stands for OH or 0—Si—$(CH_3)_2$—C—$(CH_3)_3$ or other related silyl protecting groups, l stands for 0 to 10 with the proviso that when l 1, one of the R_{15}/R_{16} substituents on adjacent carbon atoms may also together constitute a double bond, namely —CH=CH—, B, m' and p have the same meaning as defined above, Y stands for hydrogen, halogen or imidazoyl group, with a compound of the formula $HNR_{24}R_{25}$ wherein R_{24} and R_{25} are as defined above optionally in the presence of organic solvent such as ethyl acetate, chloroform or toluene at 30°C to 150°C, concentrating the reaction mixture under vacuum, purifying the residue by procedures known to those skilled in the art such as column chromatography/crystallisation to obtain a compound of formula I, and deprotecting, if necessary, the group 0—Si—$(CH_3)_2$—C—$(CH_3)_3$ by treatment with tetrabutyl ammonium fluoride trihydrate in an anhydrous organic solvent such as tetrahydrofuran at 0°C to 30°C, and isolating and purifying the compound of the formula I by procedures known to those skilled in the art such as above.

Prov. Specn. 25 Pages. Drgs. 5 Sheets.
Compl. Specn. 30 Pages. Drg. 1 Sheet.

Ind. Cl. : 173 B [XXIX(2)]. 168402
Int. Cl. : B 05 B—1/14.

THUMB CONTROLLED WATER SPRAY.

Applicant & Inventors : UPINDER SINGH S. NARULA, HARBEEN KARU J. NARULA, NARINDER SINGH J. NARULA, ALL INDIAN NATIONALS OF 20, AMRUT INDUSTRIAL ESTATE, OPP. DUDHESHWAR WATER TANK, AHMEDABAD-380 004, GUJARAT, INDIA.

Application No. 362/Bom/1987, filed on 14th December, '87.

Complete after provisional left on 12-12-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

A thumb controlled water spray consists of an inverted L-shape main moulded body having inlet at bottom and outlet at other end, said inlet having internal threads to accommodate spring retainer and an adoptor with sealing washers in between sandwiched and the central guide hole of the said adoptor accommodates a nozzle for hose connection and held firmly by lock ring therein, the said spring retainer having a central hole accommodates the spring with the spring guide and the said spring guide on its top accommodates a valve plunger with a sealing washer in between sandwiched; the said valve plunger alongwith the said sealing washer rests on the valve seat of main body and tip of the said valve plunger having 'o' ring is protruding out of the body through the guide hole in the body, the said outlet end accommodates a housing having a spray ring, fixed to the inner central protruding portion of the body by screw means and the said spray ring accommodates a screw cover and outside outlet portion of the body is provided with a metallic cover and a lever is hinged to the rib of the main body and the fulcrum of the lever resting on the tip of the valve plunger in such a way that when lever is pressed valve portion of the said plunger and sealing washer are pushed away from the valve seat allowing water or liquid to be sprayed out under moderate pressure through spray ring.

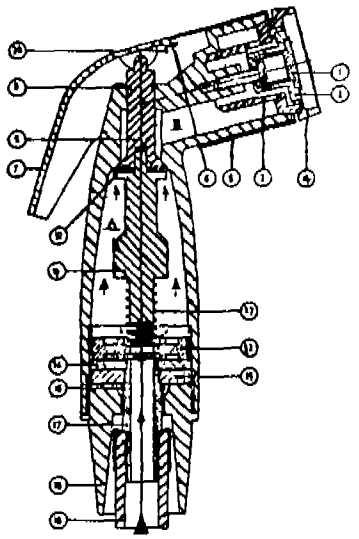


Fig. 1

Prov. Specn. 2 Pages. Drg. Nil.
Compl. Specn. 7 Pages. Drgs. 2 Sheets.

Ind. Cl. : 178 XXV(3). 168403
Int. Cl. : B 28 D—7/04

CIRCULAR DIAMOND HOLDING DISC FOR KERFING.

Applicant & Inventor : KIRTILAL KALIDAS DOSHI INDIAN INHABITANT RESIDING AT 162, NEELAMBAR 37, DR. GOPALRAO DESHMUKH MARG, BOMBAY-400 026, MAHARASHTRA, INDIA.

Application No. 257/Bom/1988, filed on 9-9-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

4 Claims

A circular Diamond Holding Disc for Kerfing is made of solid thick metal of appropriate diameter consists of five platforms which are running concentric, and each such platform is of appropriate height and width from the base plate, and the said platform is positioned at the requisite distance from the centre of the disc; appropriate concentric running space is provided on the base plate of the disc, and between two concentric running separator of appropriate height and width made from the same plate is provided on the centre of each concentric running platform; the disc has a through hole in the centre for mounting the disc on spindle and the diamonds which rest in the platform are pasted on an adhesive paste on either side of the separator on each plaiform and a Guiding Strip is fitted on the base plate of the disc by making grooves on platform, bisecting all the platforms radially.

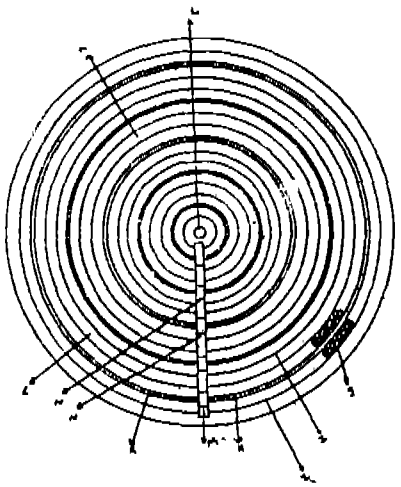


Fig. II

Compl. Specn. 9 Pages. Drgs. 3 Sheets.

Ind. Cl.: 179E, G. [XL(6)]. 168404
Int. Cl.: B 65D-7/72, 39/00.

REFILLABLE TIN CONTAINER.

Applicants: YUNUSALI MIYABHAI LALA, (2) ABBASALI MIYABHAI LALA AND (3) ZAINULABEDIN MIYABHAI LALA, ALL INDIAN NATIONALS AND PARTENERS OF STANDARD TIN WORKS, STANDARD HOUSE, OFF KURLA ANDHERI ROAD, BOMBAY-400 072, MAHARASHTRA, INDIA.

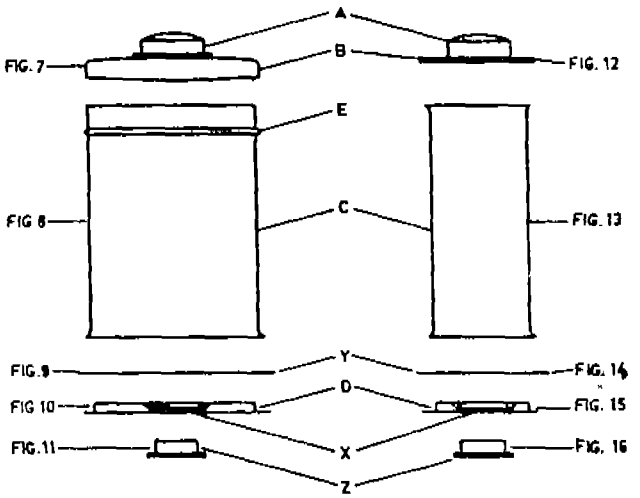
Inventor: ZAINULABEDIN MIYABHAI LALA.

Application No. 333/Bom/1988, filed on 8th December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A refillable container made of sheet-metal or tin-sheet, which has in addition to the dispensing neck another aperture having a closing lid or bung from outside and the said aperture is sealed from inside with a metal diaphragm or plastic film or with any one of the items namely paper, cardboard, ply-wood, artificial laminate or thermocole, fixed mechanically or chemically.



Compl. Specn. 8 Pages. Drgs. 2 Sheets.

Ind. Cl.: 86 A-LXVI(4), 57 C, 57 D, 58 B, 58 D. 168405
Int. Cl.: E 06 B-3/46.

A DEVICE FOR SLIDING CABINET AND/OR CUPBOARD CLOSURES, SUCH AS GLASS DOORS.

Applicant & Inventors: NANDKUMAR MORE, (2) PANDARINATH DALVI BOTH INDIAN NATIONALS OF M/S. MADHAVI PRODUCTS, BADOTHRI SANGH CHAWL, R. NO. 1, VITHALPADA, N.B. ROAD, CHINCHOLI, MALAD (WEST), BOMBAY-400 064, MAHARASHTRA INDIA.

Application No. 120/Bom/1989, filed on 5th May, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

4 Claims

A device for sliding cabinet and/or cupboard closures, such as, glass doors, comprising a 'U' shaped longitudinal channel having at least one slot at the base; at least one ball bearing partially penetrating through the said slot and supported on the side walls of the said channel; and a 'U' shaped strip, preferably made of metal, having projections at both free ends, provided above the said ball bearing and supported on the base of the said 'U' channel in the known way.

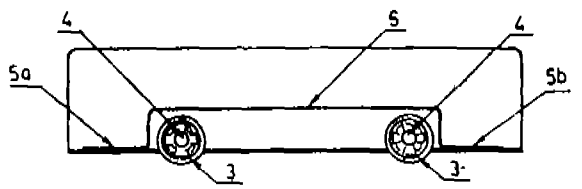


Fig. 3A

Compl. Specn. 7 Pages. Drg. 1 Sheet.

Ind. Cl.: 170B & D GR. [XL III (4)]. 168406
Int. Cl.: C 11D -1/02, 3/02.

DETERGENT COMPOSITION.

Applicant: HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor: (1) HULL MICHAEL, (2) SCOWEN REGINALD VEAR, (3) GILES DENNIS, (4) SMITH BRYAN CECIL.

Application No. 130/Bom/1989, filed on 16th May, 1989. U.K. Priority 8811672.8 dated 17-5-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

9 Claims

A detergent composition for washing fabrics, the composition containing a surfactant system comprising an anionic surfactant the major ingredient of which is an alkyl sulphate of mixed alkyl chain length such that at least 10% by weight of the alkyl chains present in the alkyl sulphate are C_{12} chains, at least 20% by weight of said alkyl chains are C_{18} chains and the weight ratio of C_{12} alkyl chains to C_{18} alkyl chains is in the range 9:4 to 1:6.

Compl. Specn. 18 Pages. Drg. Nil.

Ind. Cl. 55E2 XIX (1); 189 [LXVI (9)]. 168407
Int. Cl.: A 61 K 7/16, 7/18.

A METHOD FOR THE PREPARATION OF AN ORAL COMPOSITION FOR COMBATING DENTAL CARIES.

Applicants: HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: (1) NEIL JOHN BRISTOW, (2) PETER CARTER, (3) BRYONY EMMA COUPSON AND (4) MICHAEL ALBERT TREVETHAN.

Application No. 132/Bom/1989, filed on 18th May, 1989. U.K. convention date—May 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

5 Claims

A method for the preparation of an oral composition for combating dental caries comprising mixing a fluorine-containing anticaries agent such as herein described and a particulate abrasive material characterised in that the particulate abrasive material is or comprises hydroxyapatite.

Compl. Specn. 9 Pages. Drg. Nil.

Ind. Cl.: 32F$_3$ (a) [IX (1)]. 168408
Int. Cl.: C07C-13/54, 13/547.

A PROCESS FOR THE PREPARATION OF ISOLONGIFOLOL.

Applicant: CAMPHOR AND ALLIED PRODUCTS LIMITED, JEHANGIR BLDG., 133, MAHATMA GANDHI ROAD, BOMBAY-400 023, STATE OF MAHARASHTRA, INDIA.

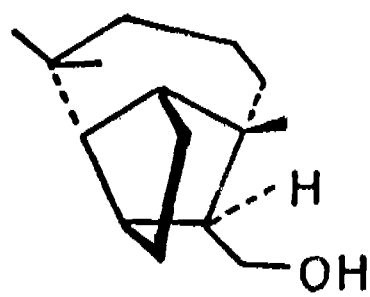
Inventors: (1) DR. KAMAL KISHORE NANDWANA, (2) DR. SUDHIR NARAYAN BANNORE & (3) DR. SUKH DEV.

Application No. 241/Bom/1989 dated 28th August, 1989. 89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

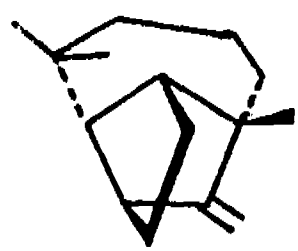
17 Claims

A process for the preparation of isolongifolol of structural formula I



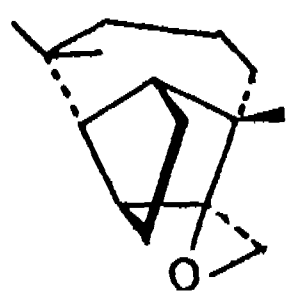
Formula I

which comprises (step a): epoxidation of longifolene of structural formula II



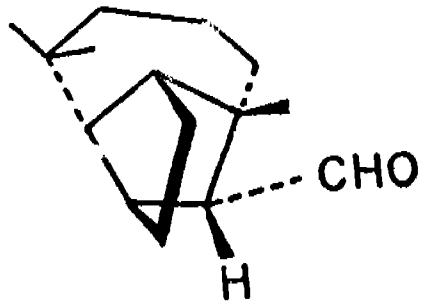
Formula II

using a peroxyacid such as herein described, in a solvent and buffer medium such as herein described,and at a temperature such as herein described to give longifolene epoxide of structural formula III

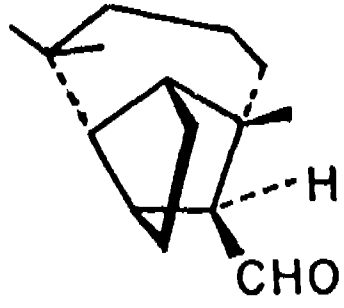


Formula III

(step b) : rearrangement of longifolene epoxide of structural formula III, as obtained in step (a), to a mixture of longifolaldehyde and isolongifolaldehyde of structural formulae IV and V



Formula IV



Formula V

respectively, of the accompanying drawing in the presence of catalyst such as herein described and at a temperature such as herein described, (setp c) : epimerization of longifoldehyde of structural formula IV, in the mixture as obtained in step (b), by treating it with an alkali such as herein described and at a temperature such as herein described to get isolongifolaldehyde of structural formula V of the accompanying drawing; and (step d) : hydrogeneration of isologifolaldehyde of structural formula V, as obtained in step (c), in the presence of a catalyst such as herein described and at a hydrogen pressure and ata temperature such as herein described to get isologifolol of structural formula I of the accompanying drawing.

Compl. Specn. 10 Pages. Drg. 1 Sheet.

Ind. Cl. : 113 G-XXX(4) 112 B + E. 168409
Int. Cl. : G 05 D-25/00.

AN IMPROVED HIGH BAY TUBE LIGHTS FITTING SYSTEM.

Applicant & Inventor : SHIRISH BHAILAL PATEL, AN INDIAN NATIONAL OF NANDA DEEP, 2-A M L DAHANUKAR MARG, BOMBAY-400 026, MAHARASHTRA, INDIA.

Application No. 259/Bom/1989, filed on 20th September, 1989.

Divisional to application No. 305/Bom/1987, dated 30th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2—G—517 GI/90

2 Claims

An improved high bay tube lights fitting system comprising electric tubes fixed to two or more curved brackets by using wooden or the like blocks with the help of screws or like means fitted with plurality of tube lights and the said curved brackets being either fixed to the said ceiling directly or suspended from the ceiling by providing suspension rods.

Compl. Specn. 5 Pages. Drg. 1 Sheet.

Ind. Cl. : 55E4 [XIX (1)] 168410
Int. Cl. : C07H-15/238.

A PROCESS FOR THE PRODUCTION OF A NOVEL ANTIBIOTIC ALISAMYCIN FROM A NOVEL MICROBIAL STRAIN STREPTOMYCES SPECIES CULTURE NUMBER HIL Y-88, 31582, ITS MUTANTS OR VARIANTS.

Applicants : HOECHST INDIA LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventor : 1. DR. CHRISTOPHER MILTON MATHEN FRANCO, 2. DR. ERRA KOTESWARAN SATYA VIJAYAKUMAR, 3. DR. SUGATA CHATTERJEE, 4. DR. BIMAL NARESH GANGULI, 5. DR. JURGEN BLUMBACH, 6. DR. HERBERT KOGLEV, 7. DR. HANSWOLFRAM FEHLHABOR.

Application No. 280/Bom/1989, filed on 16th October, 1989. Com. after prov. left July, 19, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

8 Claims

A process for the production of a novel antibiotic alisamycin of the formula I of the drawings accompanying this specification from a novel microbial strain streptomyces species culture number HIL Y-8831582, its mutants or variants, consisting of cultivating the Streptomyces species number HIL Y-88, 31582 by fermentation at a pH of 6.0 and 9.0 and at 18 to 40°C under aerobic conditions in a nutrient medium herein described and isolating the antibiotic alisamycin from the culture broth in a known manner such as herein described.

Compl. Specn. 21 Pages. Drgs. 4 Sheets.
Prov. Specn. 18 Pages. Drgs. 3 Sheets.

Ind. Cl. : 9A. 168411
Int. Cl. : C22 C1/03.

IMPROVED PROCESS FOR THE PRODUCTION OF MAGNESIUM ALLOY ANODES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KRISHNASWAMY BALAKRISHNAN, THIRUPATHISARAM MUTHUKRISHNA BALASUBRAMANIAN, NARAYANAN PALANISWAMY, GANGATHARA THILAKA PARTHIBAN & BALASUBRAMANIAN VENKETRAMAN.

Application for Patent No. 854/Del/86, filed on 26th September, 1986.

Complete Specification left on 18th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

An improved process for the production of magnesium alloy anodes which comprises preparing a master alloy of aluminium and manganese having 5-10% of Mn and 90-95% aluminium by melting high purity aluminium and manganese at a temperature in the range of 1250°-1350°C; then melting magnesium adding there to a predetermined quantity of aluminium and said master alloy of Al + Mn at a temperature in the range of 750° to 850°C in a clean graphite crucible, further adding zinc to the molten mass, so as to get magnesium alloy having composition as given below:

Aluminium—5-10%
Zinc—2-7%
Manganese—0.18 to 0.22%

and the balance being Magnesium in the range between 87 to 89%, and then casting the resultant magnesium alloy into the desired shape and size in a conventional manner.

Prov. Specn. 5 Pages. Drg. Nil.
Compl. Specn. 9 Pages.

Ind. Cl.: 128 G XIX(2). 168412
Int. Cl : A61B-1/26.

A FLUID SUBMERSIBLE LARYNGOSCOPE.

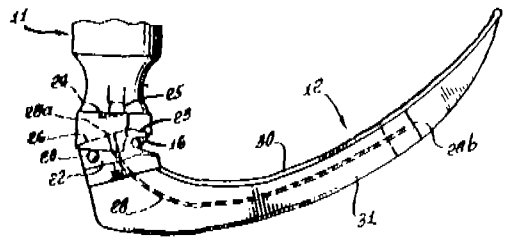
Applicant & Inventor: JACK BAUMAN, A U.S. CITIZEN OF 16677 SAN ONOFRE, PACIFIC PALISADES, CALIFORNIA, 90272, UNITED STATES OF AMERICA.

Application for Patent No. 142/Del/87, filed on 18th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A fluid submersible laryngoscope comprising a hollow handle (11) to contain power supply means, a blade (12) to be inserted into a patient's mouth, means to removably attach the blade to the reduced diameter end portion of the said handle in a substantially L-shaped configuration, a light source (25) is carried by the said handle at its reduced diameter end portion and means to place the said power supply in electrical energy transmitting relation with the said light source to direct light into light transmitting means (28) carried by the said blade and when the said blade is attached to the handle (11), fluid sealing means is located between the said light source and the said handle to block access of external fluid into the said handle proximate the light source (25) whether or not the said blade is attached to the handle and when the said handle is sub-merged in fluid during cleaning, the light source is carried by the handle for movement relative to the said handle and power supply means and the light source is displaced relatively toward the power supply means by attaching the blade to the handle thereby to place the light source in electrically energizing relation with the power supply means and said fluid sealing means extends at said end portion of the handle to be contacted by said blade when the blade is attached to the handle, said fluid sealing means including resiliently compressible material to be compressed by the blade when the light source is displaced relatively toward the power supply means.



Compl. Specn. 18 Pages. Drgs. 3 Sheets.

Ind. Cl.: 144E4. 168413
Int. Cl.[4]. C09D 3/40.

IMPROVED METHOD FOR THE PREPARATION OF ALKYD RESIN BASED WATER THINNABLE AIR DRYING PAINT.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: KANAGASABAPATHY RAGHUPATHY AND SUBBIAH GURUVIAH.

Application for Patent No. 258/Del/87, filed on 24th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of alkyd resin based water thinnable air drying paint which comprises:

(a) preparing a water thinnable resin by refluxing together pentaerithritol, linseed fatty acid, phthalic acid, polyethylene glycol having molecular weight of 4000, till the acid value of the product reaches between 15-25.

(b) dissolving the resultant product in cellosolve to form a saturated solution, then neutralising with water containing liquid ammonia.

(c) dispersing the resin obtained in step (b) above in titanium dioxide alone or containing bentonite in a reaction vessel.

(d) adding porcelain ball into the vessel.

(e) grinding the product and diluting the paint obtained to the required consistency using water containing cellosolve.

Prov. Specn. 4 Pages.
Compl. Specn. 8 Pages.

Ind. Cl. : 32 C IX (1). 168414
Int. Cl. : A61K 31/13 & 31/19.

A PROCESS FOR PREPARING THE BESYLATE SALT OF AMLODIPINE OR ITS PHARMACEUTICAL PRODUCT.

Applicant : PFIZER LIMITED, A BRITISH COMPANY, OF RAMSGATE ROAD, SANDWICH, KENT, ENGLAND.

Inventors : EDWARD DAVISON & JAMES INGRAM WELLS.

Application for the Patent No. 281/Del/87, filed on 2nd April, 1987.

Convention date April 4, 1986/8608335/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A process for preparing the besylate salt of amlodipine or its pharmaceutical product; said process comprising the steps of reacting amlodipine base with a solution of benzene sulphonic acid or its ammonium salt in an inert solvent as herein described and recovering in a manner known per se the besylate salt of amlodipine and if desired converting the thus obtained besylate salt of amlodipine into a pharmaceutical product by any known method.

Compl. Specn. 14 Pages Drg. Nil.

Ind. Cl. : 62 E XXII(1). 168415
Int. Cl. : D06 F 17/00.

A CLOTHES WASHING MACHINE.

Applicant : WHIRLPOOL CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA WITH ITS PRINCIPAL OFFICE LOCATED AT 2000 M-63 BENTON HARBOR, MICHIGAN 49022, UNITED STATES OF AMERICA.

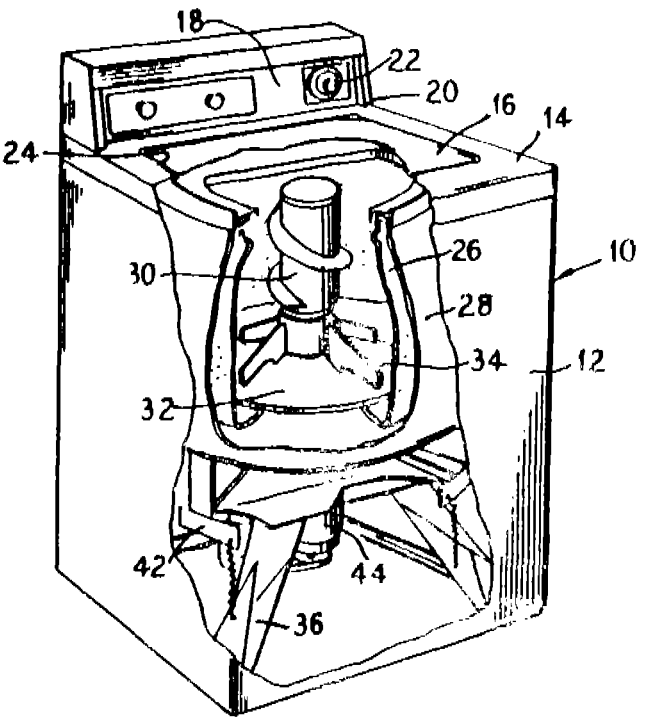
Inventor : ROBERT ALEX BRENNER.

Application for the Patent No. 286/Del/87, filed on 3rd April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A clothes washing machine (10) comprising a tub, (28) and an agitator (30) positioned within said tub for agitation of fabrics, said agitator being driven by a drive assembly, said drive assembly comprising: a rotary input shaft; (50) an oscillatory output shaft (54) connected to said agitator and mounted coaxially to said input shaft; an intermediate drive member (58) interconnected between said input shaft and said output shaft and mounted coaxially to both said input and output shafts for reciprocatory motion relative thereto; restraining means (58) for selectively restraining rotational movement of said intermediate drive member; first motion converting means interconnecting said input shaft (50) and said intermediate drive member for converting rotary motion of said input shaft into reciprocating motion of said intermediate drive member; and second motion converting means interconnecting said intermediate drive member and said output shaft for converting reciprocating motion of said intermediate drive member into osillating rotary motion of said output shaft.



Compl. Specn. 14 Pages Drgs 2 Sheets.

Ind. Cl. : 63A1 LVII(1). 168416
Int. Cl. : H02K—17/00.

A SHALLOW CUP-SHAPED MINIATURE MOTOR.

Applicant : MABUCHI MOTOR CO., LTD., A JAPANESE COMPANY, OF NO. 430 MATSUHIDAI, MATSUDO-SHI, CHIBA-KEN, JAPAN.

Inventor : SHINICHI MATSUDA.

Application for Patent No. 313/Del/87, filed on 13th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

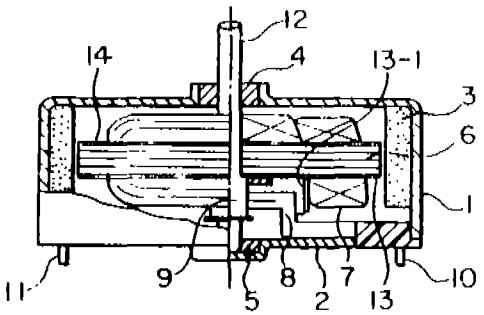
A shallow cup-shaped miniature motor having a motor case (1) of a substantially shallow cup shape, fitted with permanent magnet (3); a motor case cover (2) engaged with the open end face of said motor case; a rotor having a motor rotating shaft (12) supported by a first bearing (4) provided on the closed end face of the motor case and second bearing (5) provided on said motor case cover; and brushes (8) supported by said motor case cover for making sliding contact with commutator segments (9) provided on said motor rotating shaft, characterized in that

(i) an insulating core (13) having wing portions (13-3) substantially covering a laminated core (6) comprising said rotor is provided on the outermost end face of said laminated core; said insulating core having at the center thereof a through hole (13-2) through which said motor rotating shaft is passed, and a hollow cylindrical portion (13-1), provided around said through hollow, having a plurality of notches (13-5) for engaging with a plurality of the rising portions of said commutator segments;

(ii) a commutator surface of said commutator segments is disposed inside said hollow cylindrical portion.

(iii) rotor windings (7) are wound on said laminated core covered with the wing portions of said insulating core; said rotor windings being supported by the outer circumferential surface of said hollow cylindrical portion; and

(iv) said brushes having a terminal portion (8-1) and a brush sliding portion (8-2), connected to each other in a substantially staggered alignment to allow sliding contact with the commutator surface formed inside said hollow cylindrical portion of said insulating core.



Compl. Specn. 13 Pages Drgs. 3 Sheets.

Ind. Cl. : 150 G. 168417
Int. Cl.[4] : H05G 1/00.

A PIPEWORK IN COMBINATION WITH A PLUG FOR AN OPENING PROVIDING AN INSPECTION X-RAY SOURCE WITH ACCESS TO THE PIPEWORK

Applicant : STEIN INDUSTRIE, A FRENCH BODY CORPORATE, OF 19-21 AVENUE MORANE SAULNIER, 78140 VELIZY VILLACOUBLAY, FRANCE.

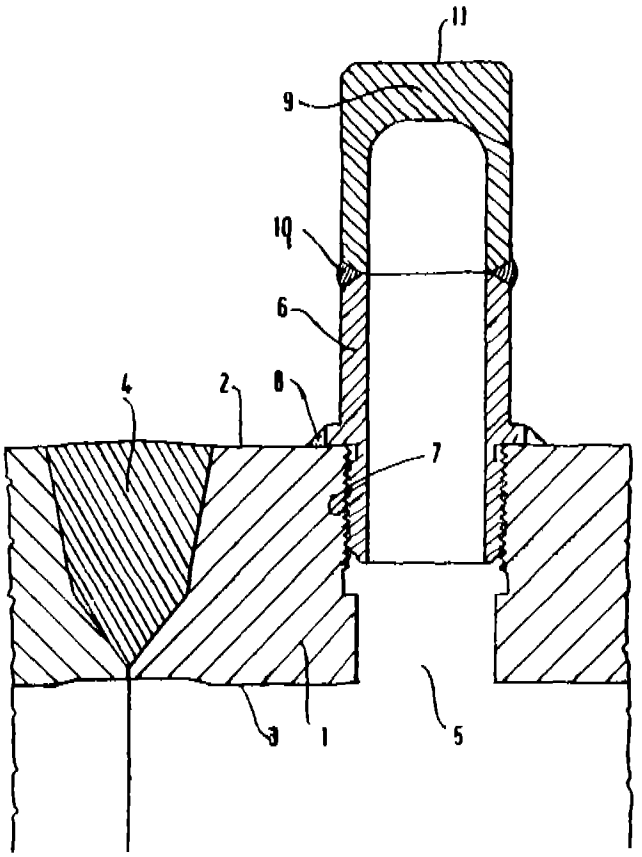
Inventors : JACQUES BOBICHON, LUCIEN HERVOUIN & GILBERT VIGNERON.

Application for Patent No. 395/Del/87, filed on 6th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A pipework (1) in combination with a plug for an opening providing an inspection X-ray source with access to the pipework the said pipework made of high strength steel alloy comprising a wall, an opening (5) extending through said wall proximate a weld joint (4) of the pipework for providing an-X-ray source with access to said pipework for the periodic inspection of said weld joint, said opening being threaded over at least a portion of its length from the outside of the pipework, and the said plug for said opening comprising an open ended, first cylindrical insert (6) having a central bore extending there through and having an outer threaded surface screwed into said wall opening and being welded (8) to an outer surface (2) of the wall, and projecting outwardly therefrom, said first cylindrical insert (6) and a second cylindrical insert (9) having a closed outer end (11) for closing the bore through the said first cylindrical insert, an inner end of said second cylindrical insert being butt welded (10) to an outer end of the said first cylindrical insert and disposed in arial alignment therewith, and the weld allowing periodic inspections.



Compl. Specn. 8 Pages Drg. 1 Sheet.

Ind. Cl. : 69 I. 168418
Int. Cl. : H01H 85/00.

INFORMATION HANDLING AND CONTROL SYSTEMS FOR USE IN CONTROLLING ELECTRICAL EQUIPMENT.

Applicant : SALPLEX LIMITED, A BRITISH COMPANY, OF THE GROVE WARREN LANE, STANMORE, MIDDLESEX HA7 4LY, ENGLAND.

Inventor : KEVIN TREVOR TALBOT.

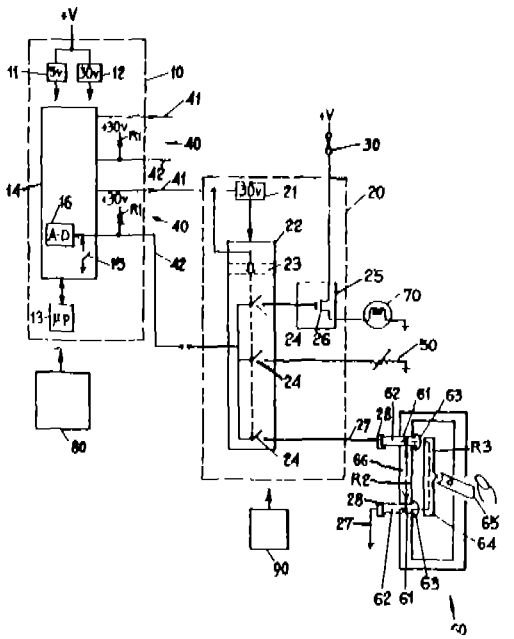
Application for Patent No. 490/Del/1987, filed on 8th June, 1987.

Convention date June 11, 1986/8614198/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

An information handling and control system for use in controlling electrical equipment, said system having a manually operable electrical switch (60) provided in a low current signalling link (40) to an intelligent unit (10), said intelligent unit (10) recognising a binary input signal from the switch (60) and in response providing an output signal in said (40) or another low current signalling link to power switching means (26) to control a high current to a load (70), the switch (60) having two terminals (61) each having a contact (63), and the switch (60) having a movable conductive member (64), the two contacts (63) being respectively connected or not connected by the movable conductive member (64) with said movable member (64) in a respective first or second position such that in normal operation the resistance (62) between the two terminals (61) with the movable member (64) in said respective first or second position is recognised in the intelligent unit (10) at a respective first or second condition of the binary input signal from the switch (60), said system being characterised in that the switch (60) has two conductive plastics members (62) each of which provides one of the two terminals (61) and its respective contact such that said first condition of the binary input signal from the switch (60) is distinct from a short circuit condition in the signalling link (40) to the intelligent unit (10).



Compl. Specn. 13 Pages Drg. 1 Sheet.

Ind. Cl.: 40 E IX(1). 168419
Int. Cl.[4]: B01D 15/04

A PROCESS FOR THE PREPARATION OF THE ISOMERS OF NITROBENZALDEHYDE FROM A FEED MIXTURE CONTAINING AT LEAST TWO ISOMERS OF NITROBENZALDEHYDE.

Applicant: UOP INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS 60017, UNITED STATES OF AMERICA.

Inventors: HERMANN ABERT ZINNEN & THAD STEVEN FRANCZKY.

Application for the Patent No. 1058/Del/87, filed on 10th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for the separation of the isomers of nitrobenzaldehyde from a feed mixture containing at least two isomers of nitrobenzaldehyde which comprises contacting said mixture, at conventional adsorption conditions, with an adsorbent for the adsorption of at least one of said isomers and recovering said adsorbed nitrobenzaldehyde isomer as an extract stream by contacting said adsorbent, at conventional desorption conditions, with a desorbent, characterised in that said adsorbent is selected from an X-type zeolite having sodium or lithium cations at exchangeable cationic sites, a Y-type zeolite having sodium, lithium, potassium, magnesium or calcium cations at the cation exchangeable sites, a crystalline aluminum phosphate zeolite or mixtures thereof so that said adsorbent selectively adsorbs only one of said isomers to the substantial exclusion of the other isomers, and said desorbent is selected from methyl acetate, methyl formate, benzaldehyde, ethyl acetate, acetonitrile and mixtures thereof.

Compl. Specn. 24 Pages Drgs. 13 Sheets.

Ind. Cl.: 32 F2. 168420
Int. Cl.: C07D 209/04.

A PROCESS FOR THE SYNTHESIS OF DL-2 SUBSTITUTED—1, 2, 3, 4.—TETRAHYDRO-9H PYRIDO (3, 4—b) INDOLE—3—CARBOXYLIC ACIDS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

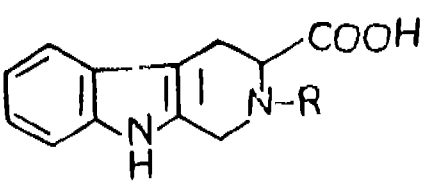
Inventors: RAVISH CHANDRA TRIPATHI, ANIL KUMAR SAXENA, GYANENDRA KUMAR PATNAIK.

Application for Patent No. 1160/Del/87, filed on 31st December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

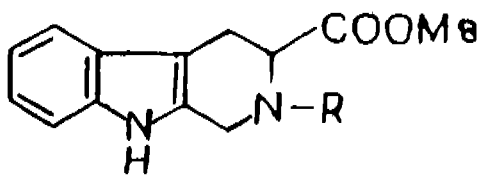
5 Claims

A process for the synthesis of dl—2—substituted—1, 2, 3 4—tetrahydro—9H—pyrido (3, 4—b) indole—3—carboxylic acids of the formula 2



Formula 2

of the accompanying drawing where R=aroyl, piperidenoyl, arylalkenoyl, arylsulfonyl which comprises hydrolysing corresponding dl—methyl 2—substituted—1, 2, 3, 4—tetrahydro—9H—pyrido (3, 4—b) indole—3—carbonylates of the formula 1



Formula 1

shown in the drawing where R has the meaning given above using alkali as herein described in the presence of solvent such as herein described, at a temperature ranging between 25—40°C and for a period of 48 to 96 hrs, separating the crystalline solid of general formula (2) formed on hydrolysis by filtration, washing with water, drying and purifying, if required by know methods.

Compl. Specn. 6 Pages Drg. 1 Sheet.

Ind. Cl. : 32 E [GROUP IX (1)] 168421
Int. Cl.[4] : C 08 F 36/02.

PROCESS FOR PREPARING MODIFIED POLYETHYLENE.

Applicant : STAMICARBON B.V. OF MIJNWEG 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors : (1) GEORGES GERARD EVENS, (2) JOHANNES TIJSSEN, (3) LUC MARIA CONSTANT COOSEMANS

Application No. 775/Mas/86, filed on 30th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

12 Claims

A process for preparing a modified polyethylene comprises reacting ethylene, one or more alkenes—1 with 3 to 18 carbon atoms in an amount of upto 50 mole % calculated on the ethylene, one or more poly-unsaturated compounds such as herein described having at least 7 carbon atoms and at least two non-conjugated double bonds polymerizable under the influence of transition metal catalysts in an inert liquid wherein the amount of said poly-unsaturated compound(s) in the reaction vessel is kept not more than 0.3 mole% on the total monomers so that the activation energy of the viscous flow of the polymer formed is not significantly influenced by the presence of the said poly-unsaturated compound(s) and the reaction takes place at a temperature of at least 135°C.

Compl. Specn. 12 Pages Drg. Nil.

Ind. Cl. : 151 E [GROUP XLVIII(2)]. 168422
Int. Cl.[4] : F 16 L 11/08.

REINFORCED FLEXIBLE HOSE

Applicant : TAURUS GUMIIPARI VALLALAT, OF H-1965 BUDAPEST, KEREPESI UT 17, HUNGARY, A HUNGARIAN COMPANY.

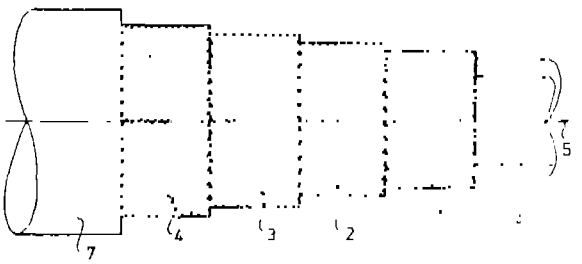
Inventors : (1) FERENC KOVACS, (2) MIKLOSNE LENGYEL, (3) TIBOR NAGY, (4) SANDOR ANTAL, (5) GYORGY GYONGYOSI, (6) LASZLO PALOTAS & (7) NANDOR PFISZINER.

Application No. 782/Mas/86, filed on 6th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

8 Claims

A flexible hose reinforced by wire plies, wherein at least two wire plies are provided and the wire of each wire ply are disposed in helical convolutions about the longitudinal axis of the hose, wherein the wire plies satisfy the following equation:



where
subscript b indicates the plies wire arranged with left hand thread,
subscript j indicates the wire plies arranged with right hand thread,
r_b and r_j are the mean radii of the wire plies,
N_b and N_j are the number of wires in each wire ply,
F_b and F_j are the tensile strength of the wires,
α_b and α_j are the angle of the respective wire plies to the hose axis,
l stands for the number of wire plies with left hand thread,
m is the number of wire plies with right hand thread. and the angles of the wire plies to the hose axis differ maximally with 2 degrees from the angles as defined by the following equation:

where
x, y are the deformation parameters,
i_k is the quotient of the mean radius of the outer wire to the mean radius of the respective wire plies,
λ_k is the relative length of the respective wires at rupture, $\lambda_k = 1 + \varepsilon_k$,
α_k is the angle of each wire ply to the hose axis.

Compl. Specn. 23 Pages Drg. 1 Sheet.

Ind. Cl.: 53 B [GROUP LII (5)] 168423
Int. Cl.[4]: B 62 L 3/08

BRAKE SYSTEM FOR BICYCLES.

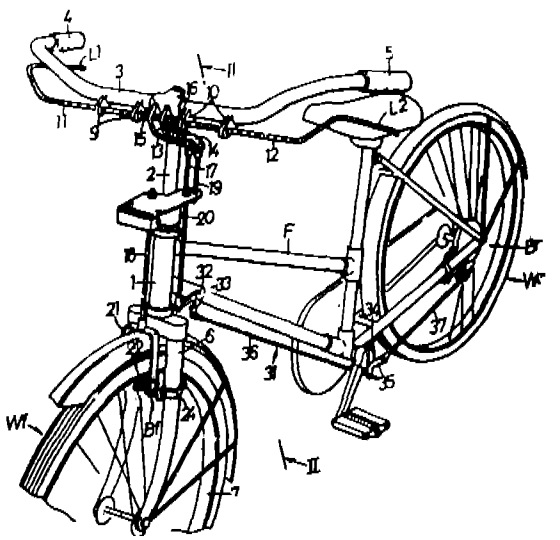
Applicant & Inventor: MASATARO SATO, A CITIZEN OF JAPAN OF 191-BANCHI, OOAZA IKENOBE, MIKI-CHO, KITA-GUN, KAGAWA-KEN, JAPAN.

Application No. 880/Mas/86, filed on 11th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

4 Claims

A brake system for bicycles in which a pair of brake rods (17, 18; 19, 20) are arranged movable vertically along a handle post (2), the pair of brake rods being interlocked to the braking operation of a pair of brake levers (L1, L2) that are arranged at both ends of a handle bar (3), one brake rod being coupled to a front wheel brake (Bf) and the other brake rod being coupled to a rear wheel brake (Br) via a transmission mechanism (31), wherein said one brake rod is divided into a first brake rod (17) that is operatively coupled to one (L1) of the brake levers and a second brake rod (18) that is coupled to the front wheel brake (Bf), said other brake rod is divided into a third brake rod (19) that is operatively coupled to the other brake lever (L2) and a fourth brake rod (20) coupled to said transmission mechanism (31), a pivotally movable plate (41) is supported on said handle post (2) in a manner rotatable vertically about a centre of rotation, the first and third brake rods (17, 19) are engaged with the pivotally movable plate (41) at an equal distance (11) away from the centre of rotation, and the second and fourth brake rods (18, 20) are engaged with the pivotally movable plate (41) with a distance (12) from the centre of rotation to the second brake rod (18) being set shorter than a distance (13) from the centre of rotation to the fourth brake rod (20).



Compl. Specn. 14 Pages. Drgs. 4 Sheets.

Ind. Cl.: 69-I—[GROUP-LIX(1)] 168424
Int. Cl.[4]: H 01 H 3/20; 3/48

CONTROL DEVICE FOR A HIGH VOLTAGE CIRCUIT BREAKER EQUIPPED WITH CLOSING RESISTORS

Applicant: MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE, 38050 GRENOBLE, FRANCE.

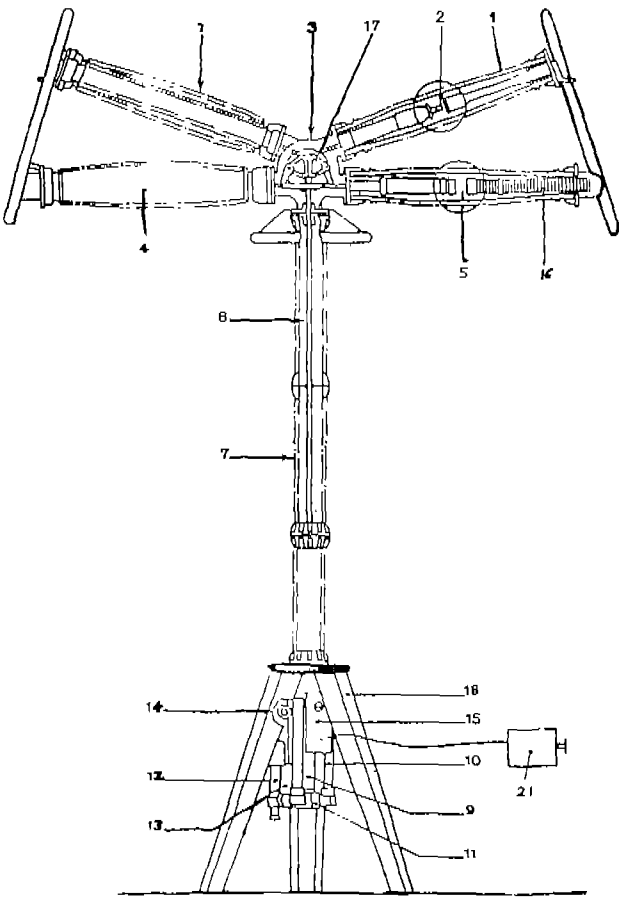
Inventors: (1) PATRICK COUDERT, (2) ALAIN DELA-HOUSSE, (3) JEAN-PAUL RAVET.

Application No. 899/Mas/86, filed on 21st November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

A control device for a high voltage electrical circuit breaker having one (or more) arc chute with main contacts and a parallel shunting circuit having closing resistors and inserter contacts, comprising an articulated lever mechanism connecting the main and inserter contacts capable of closing the inserter contacts electrically just before electrical closing of the main contacts and of reopening the inserter contacts after closing of the main contacts, a sliding control lever linking said articulated lever mechanism to a hydraulic or air-operated control unit, an auxiliary electrical contact mechanically actuated by the said control lever or the control unit to represent respectively the opening and closing positions of the main contacts and an electrical transmission circuit connected to said control unit through the auxiliary contact to transmit circuit breaker opening order to said control unit, in such a way as to transmit the opening order only in the closing position of the main contacts, said auxiliary contact comprising a high-speed operating mechanism having a spring fitted on a telescopic rod and lost motion means providing a time delay of between 10 and 30 milliseconds and ensuring actuation of the auxiliary contact at a precise moment preventing any flashover on the inserter contacts when the main contacts open subsequent to their closing.



Compl. Specn. 12 Pages Drgs. 6 Sheets.

Ind. Cl. : 116 G & 206 E [GROUP XLIX, LXII] 168425
Int. Cl.[4] : B 60 P 1/24

A SYSTEM FOR MEASURING AND INDICATING THE WEIGHT OF A PAYLOAD CARRIED BY A WORK VEHICLE.

Applicant : CATERPILLAR INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 100 N.E. ADAMS STREET, PEORIA, ILLINOIS, 61629-6490, U.S.A.

Inventors : (1) DONALD ERLE FOLEY (2) GREGORY HUBBEL GIPP (3) WILLIAM GEORGE SCHWADER (4) CRAIG LAMONTE SELLS (5) JAMES ARTHUR SMITTKAMP (6) ALAN LEE STAHL (7) JOHN FRANCIS SZENTES.

Application No. 926/Mas/86, filed on 1st December, 1986.

Convention dated 25-6-1986 No. 512, 415 (Canada).

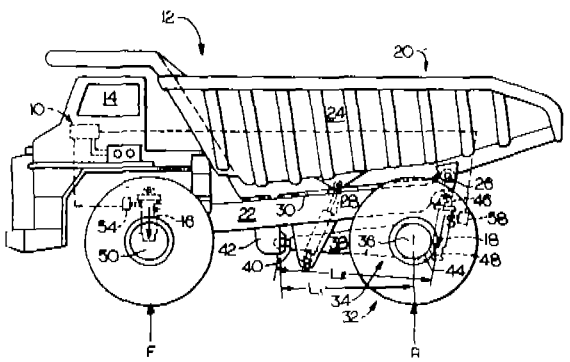
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

A system for measuring and indicating the weight of a payload carried by a work vehicle (12) having at least one front and rear strut (16, 18) disposed in supporting relation to a load carrying portion (20) comprising a device (10) having means (52) for separately sensing the pressure of said front and rear struts (16, 18) and delivering signals respectively responsive to the magnitude of said front and rear strut pressures;

means for modifying said front and rear strut pressure signals by applying respective correction factors thereto, summing the resultant modified signals, and delivering a control signal responsive to the magnitude of the sum of said modified signals; and

means (74) for receiving said control signal and delivering indication of the magnitude of the work vehicle payload in response to the magnitude of said control signal; and means for recording the magnitude of the control signal as indications of actual current payload in response to the magnitude of said control signal changes by less than the preselected magnitude during a first preselected duration of time.



Compl. Specn. 21 Pages Drgs. 6 Sheets.

Ind. Cl. : 206-E—[GROUP-LXII] 168426
Int. Cl.[4] : H 01 L 21/302.

METHOD OF MAKING A SEMICONDUCTOR SUBSTRATE WITH A HOLE.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, U.S.A.

Inventors : (1) ROBERT KIMBALL COOK, (2) JOSEPH FRANCIS SHEPARD.

Application No. 937/Mas/86, filed on 3rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

11 Claims

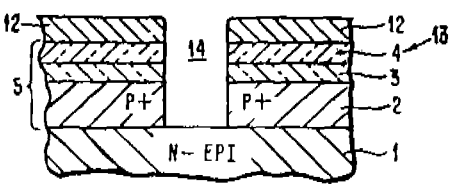
A method of making a semiconductor substrate with a hole comprising

forming a mesa on said substrate by a reactive ion etching sidewall technique;

depositing a film on the top of said substrate and on the top of said mesa but not on the sidewalls of said mesa,

completely removing said mesa and the portion of said film on the top of said mesa by selectively attacking the sidewalls of said mesa, so that the portions of said film on the top of said substrate at locations other than at said mesa remain in position, and

selectively etching said substrate using the remaining portions of said film as an etching mask thereby forming said hole.



Compl. Specn. 10 Pages Drg. 1 Sheet.

Ind. Cl. : 63-I—[GROUP-LVII(1)] 168427
Int. Cl.[4] : H 01 L 35/00

THERMO ELECTRIC MOTOR.

Applicant & Inventor : MAHADEVA SUBBARAYA VENKATARAMANA SARMA, INDIAN NATIONAL, RESIDING AT B-275, T.N.H.B. COLONY, TAMBARAM SANATORIUM, MADRAS-600 047, INDIA.

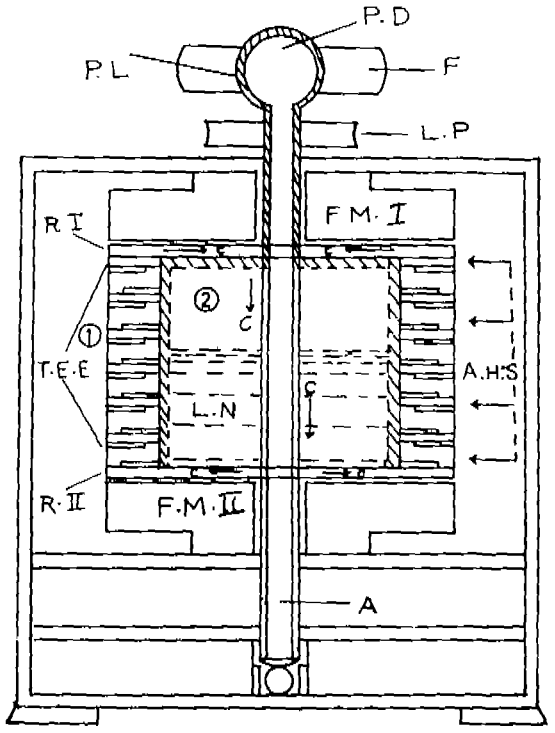
Application and Provisional Specification No. 49/Mas/87, filed on January 27, 1987.

Complete Specification left January 25, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

1 Claim

A THERMO-ELECTRIC-MOTOR Comprising a built in, rotating thermo-electric generator module being electrically and mechanically inter-connected to rotors; a stationary heat source provided outside the periphery of thermo-electric generator module; the central cylindrical enclosure of the thermo-electric-motor having a refrigerant liquid, the said thermo-electric provided with stators which are field magnets; the arrangement being such that the thermo-electric elements located on the outer periphery of the said module absorb heat from the stationary source of heat to become hot junctions while the inner ends of thermo-electric elements are cooled by evaporation and condensation of the refrigerant fluid in the cylindrical enclosure to form cold junctions, rotation of the rotors simultaneously with the said thermo-electric module generating momentary electric current, the concommitant magnetic flux rotating the rotors continuously to produce momentum and torque on shaft.



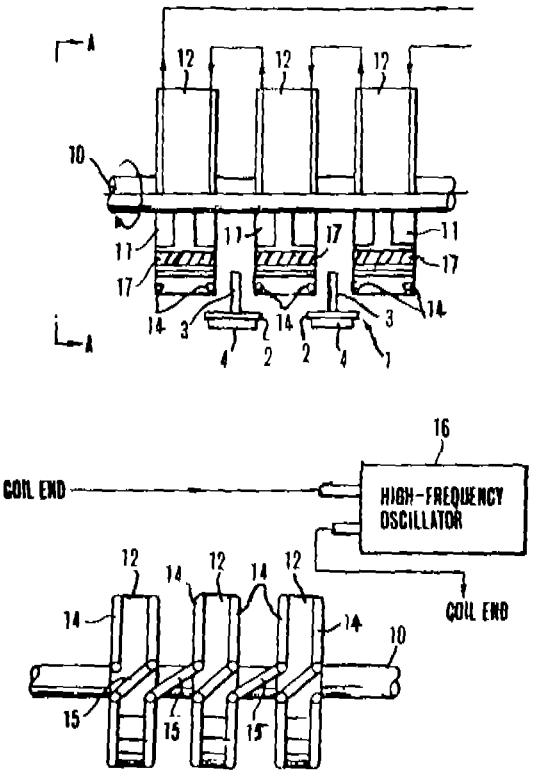
Prov. 2 Pages. Drg. 1 Sheet.
Compl. Specn. 5 Pages. Drg. 1 Sheet.

Application No. 194/Mas/87, filed on 18th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

A high-frequency induction-heating device for heatbonding a brake shoe lining comprising : a high-frequency induction-heating coil disposed so as to oppose to an inner peripheral surface of a rim of a shoe body, said heating coil extending along the inner peripheral surface of said rim and having a curved section extending at least to over the region between both circumferential ends of said rim; and supporting means provided at the inner side of said heating coil, said supporting means being capable of detachably supporting a multiplicity of magnetic flux density adjusting members made of a magnetic material along the breadth of said rim, in the region where said curved section faces at least the inner peripheral surface of said rim.



Compl. Specn. 14 Pages. Drgs. 4 Sheets.

Ind. Cl. : 97-E & F—[GROUP-LIX (2)] 168428
Int. Cl.[4] : H 05 B 6/10; F 16 D 69/00

HIGH-FREQUENCY INDUCTION-HEATING DEVICE FOR HEAT-BONDING BRAKE SHOE LINING.

Applicant : AKEBONO BRAKE INDUSTRY CO. LTD., OF 19-5, NIHONBASHI KOAMI-CHO, KU, TOKYO, JAPAN, A JAPANESE BODY CORPORATE.

Inventor : SEIJI KOBAYASHI.

Ind. Cl. : 163 B₂[GROUP XLIV (3)] 168429
Int. Cl.[4] : F 04 D 13/04

A LOOP PUMP FOR PUMPING LIQUID.

Applicant : PER-OLOF KARLSSON, OF BOX 51, S-980 21 JUKKASJARVI, SWEDEN, A SWEDISH SUBJECT.

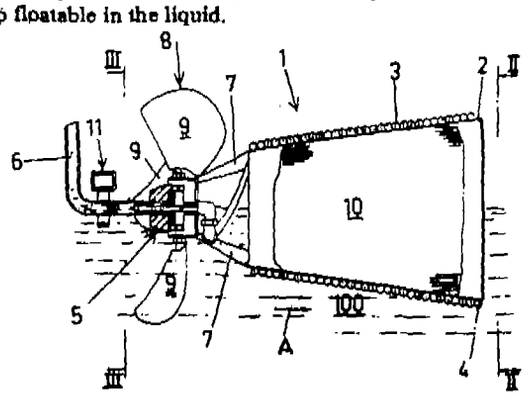
Inventor : PER-OLOF KARLSSON.

Application No. 812/Mas/86, filed on 14th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

A loop pump for pumping liquid comprising a pipe or hose (3, 22) having a number of turns or loops, a drive source for rotating the said pipe or hose for introducing alternatively air and liquid into an inlet (4, 23) of the said pipe or hose (3, 22), a conduit (16, 24) rotatably connected with the said pipe or hose leading to a liquid source to be pumped, the said drive source having means for absorbing the energy from the liquid flow (8, 25, 27) and a floating body for making the pump floatable in the liquid.



Compl. Specn. 8 Pages. Drgs. 4 Sheets.

Ind. Cl.: 116 F [GROUP XLIX] 168430
Int. Cl.[4]: B 66 B 1/00, B 66 B 5/00.

DEVICE FOR THE INPUT OF TRAVEL COMMANDS FOR A LIFT.

Applicant: INVENTIO AG, OF SEESTRASSE 55, 6052 HERGISWIL, SWITZERLAND, SWISS COMPANY.

Inventor: JOSEF HEINE.

Application No. 939/Mas/87, filed on 29th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

Device for the input of travel commands for a lift with floor call stores (16) and floor call buttons (DE), with cage call stores (10) and cage call buttons (DC), with a scanning equipment (13, 14, 17), which scans the cage call stores (10) and the floor call stores (16) for the purpose of ascertaining stored calls, wherein a first and a second signal sequence (BC-Z, BE-Z) are generated, which contain the stored calls, and with a control equipment (9), into which a cage call or a floor call is transferable only during the standstill of the lift cage (2) at a floor and which generates travel direction signals and stop signals for direct travels to chosen floors, characterised thereby,

—a floor scanner device is provided, consisting of a first multiplexer 13, a binary counter 14 and a second multiplexer 17,

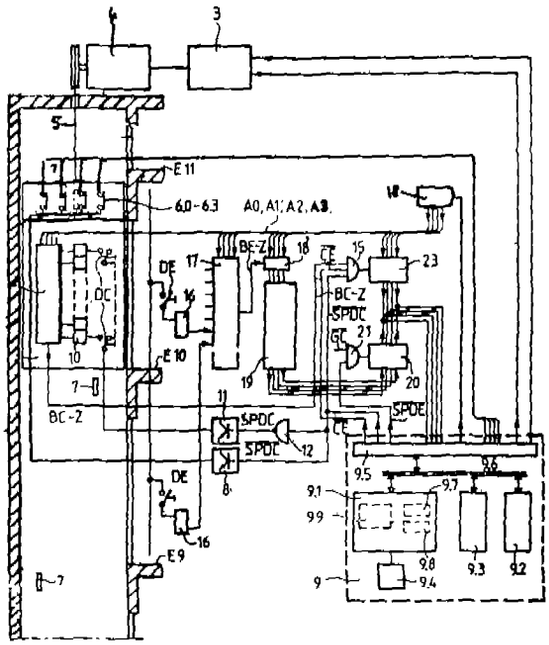
—address lines (A0, A1, A2 A3) connected to the parallel outputs of the counter (14) and a line (BE-Z) are connected with the input of a first gate arrangement (18),

—*shift registers* (30) are provided and the outputs of the first gate arrangement (18) are connected with the inputs of the shift registers (30), wherein the associated address lines are connected to the inputs of the shift registers (30),

—a second gate arrangement (20) is provided the inputs of which are connected with the outputs of the shift registers (30) and with a clearance equipment (22),

—the outputs of the second gate arrangement (20) are connected to the control equipment (9),

—the shift registers (30) are connects with an erasure switching circuit (31), and the shift registers (30) are connected with an input switching circuit (32), wherein the inputs of the shift registers (30) are connected to the first stores (30.1) of the shift registers (30).



Compl. Specn. 22 Pages. Drgs. 2 Sheets.

NAME INDEX OF APPLICATION FOR PATENTS FOR THE MONTH OF NOVEMBER, 1990 (NOS. 919/CAL/90 TO 1004/CAL/90; 281/BOM/90 TO 312/BOM/90; 876/MAS/90 TO 971/MAS/90 AND 1087/DEL/90 TO 1217/DEL/90).

Name & Application No.

CALCUTTA

(919/Cal/90 to 1004/Cal/90)

—A—

Aptech Engineering Services, Inc.—981/Cal/90.

Armco Inc.—977/Cal/90.

Aura Systems, Inc.—922/Cal/90.

—B—

Biswas K.S.—997/Cal/90.

Name & Application No.

—C—

Center for design research and development Nove.—933/Cal/90.

Chaudhuri P.B. 1002/Cal/90, 1003/Cal/90.

Chu, A.L. 959/Cal/90.

Commonwealth of Australia.—942/Cal/90.

Critikon, Inc.—978/Cal/90.

—D—

Dallaire Industries Ltd.—951/Cal/90.

Dalmia Institute of Scientific & Industrial Research.—964/Cal/90, 965/Cal/90.

Danieli & Officine Meccaniche S.P.A.—974/Cal/90.

Darya Paye Jetty Co. Ltd.—935/Cal/90.

Degussa Aktiengesellschaft.—972/Cal/90, 975/Cal/90.

Du Pont Canada Inc.—928/Cal/90.

Durand D.—959/Cal/90.

—E—

E, I. Du Pont De Nemours and Company.—920/Cal/90, 937/Cal/90, 950/Cal/90, 965/Cal/90, 966/Cal/90, 988/Cal/90 & 989/Cal/90.

Eaton Corporation.—941/Cal/90.

Efisol.—943/Cal/90, 944/Cal/90.

—F—

Fidia S.P.A.—952/Cal/90, 953/Cal/90, 954/Cal/90.

—G—

General Electric Company.—946/Cal/90.

Green Cross Gorpn, The.,—947/Cal/90.

—H—

Hitachi Construction Machinery Co. Ltd.—949/Cal/90, 976/Cal/90.

Hitachi Ltd.—948/Cal/90, 995/Cal/90.

Hodogaya Chemical Co. Ltd.—919/Cal/90.

Hoechst Aktiengesellschaft.—939/Cal/90, 940/Cal/90, 961/Cal/90, 967/Cal/90, 987/Cal/90, 990/Cal/90, 991/Cal/90 and 992/Cal/90.

Hoechst Celanese Corporation.—979/Cal/90 & 980/Cal/90.

—I—

ICI India Limited.—957/Cal/90 & 998/Cal/90.

Indian Jute Industries Research Association.—931/Cal/90.

—J—

Johnson & Johnson Consumer Products, Inc.—921/Cal/90 & 986/Cal/90.

Name & Application No.

—K—

Keystone International Holdings Corpn.—955/Cal/90.

Kyowa Gas Chemicals Industry Co. Ltd.—970/Cal/90, 971/Cal/90.

—L—

Laboratori Guidotti S.P.A.—1000/Cal/90, 1001/Cal/90.

Lanxide Technology Co. LP.—545/Cal/90.

Lenzing Aktiengesellschaft.—962/Cal/90.

Libbey Owens Ford Co.—960/Cal/90.

—M—

Mediolanum Farmacentici Srl.—934/Cal/90.

Minato Company Ltd.—947/Cal/90.

Mitsui Toatsu Chemicals Inc.—970/Cal/90, 971/Cal/90.

Mukherjee C.R.—1004/Cal/90.

Mukherjee D.—984/Cal/90.

—N—

Nahar S.S.—926/Cal/90.

—O—

Orissa Cement Limited.—964/Cal/90, 965/Cal/90.

—P—

Proizvodstvennoe Obiedinenie "Vladimirsky Traktorny Zavod" USSR.—994/Cal/90.

Projects & Developments India Limited.—938/Cal/90.

—R—

Rautio, K.—982/Cal/90.

Richter Gedeon Vegyeszeti Gyan Rt.—930/Cal/90.

Rosen H.E.—956/Cal/90.

Rotabolt Limited.—968/Cal/90.

Samsung Electronics Co. Ltd.—923/Cal/90, 924/Cal/90, 925/Cal/90.

Sicpa Holding S.A.—985/Cal/90.

Siemens Aktiengesellschaft.—983/Cal/90.

Singh K.M.—996/Cal/90.

Somar Corporation.—927/Cal/90.

Stopinc Aktiengesellschaft.—929/Cal/90.

Sumitomo Chemical Company Ltd.—993/Cal/90.

—T—

Telemecanique.—932/Cal/90.

Texaco Development Corporation.—973/Cal/90.

Name & Application No.

—U—

United Technologies Corporation.—999/Cal/90.

—V—

Vieau D.P.—959/Cal/90.

—W—

Wei T. S.—959/Cal/90.

Westinghouse Electric Corporation.—936/Cal/90.

—Z—

Zip Heaters (Australia) Pty. Ltd.—958/Cal/90.

BOMBAY

(281/Bom/90 to 312/Bom/90)

—A—

Antron (India) Private Limited.—308/Cal/90, 309/Bom/90.

—B—

Bhagat P.R.—294/Bom/90.

—C—

Chandulal S.A.—290/Bom/90.

—D—

Devani T.M.—294/Bom/90.

—F—

Feency C.—302/Bom/90.

—G—

Gajera B.U.—294/Bom/90.

Gajera G.N.—293/Bom/90, 294/Bom/90.

Gajera J.B.—294/Bom/90.

Gajera M.B.—293/Bom/90, 294/Bom/90.

Gajera M.R.—294/Bom/90.

Gajera M.U.—294/Bom/90.

Gajera N.—293/Bom/90.

Gajera N.K.—294/Bom/90.

Gajera R.L.—294/Bom/90.

Gajera R.N.—293/Bom/90, 294/Bom/90.

Gajera T.U.—294/Bom/90.

Gajera U.B.—294/Bom/90.

Gajera U.G.—294/Bom/90.

Gajera V.B.—293/Bom/90.

Gajera V.N.—293/Bom/90, 294/Bom/90.

Name & Application No.

—H—

Harish Textile Engineers Ltd. M/s.—285/Bom/90.

Hindustan Lever Limited.—288/Bom/90, 289/Bom/90, 300/Bom/90, 301/Bom/90, 304/Bom/90 and 305/Bom/90, 307/Bom/90, 311/Bom/90.

—J—

Joseph A.—291/Bom/90.

—K—

Kachedia R.V.—294/Bom/90.

Kansara K.B.—312/Bom/90.

Khadilkar P.R.—310/Bom/90.

Khaitani A.M.—283/Bom/90.

Khetawat S.R.—282/Bom/90.

Khurd S.M.—295/Bom/90.

Koparde V.P.—303/Bom/90.

—M—

Massey N.—298/Bom/90.

Mundachali K.R.—306/Bom/90.

—N—

Nanchand V.—297/Bom/90.

—P—

Parikh R.H.—296/Bom/90.

Patel B.N.—292/Bom/90.

Patel-Gajera B.N.—294/Bom/90.

Plastart Electronics Pvt. Ltd.—284/Bom/90.

—R—

Rawat N.K. (Mr.)—286/Bom/90.

—S—

Shabhaya N.B.—294/Bom/90.

Shabhaya R.L.I.—294/Bom/90.

Shah M.P.—282/Bom/90.

Shah S.M.—282/Bom/90.

Singh B.—298/Bom/90.

—V—

Vakaria J.J.—281/Bom/90.

—W—

Wagh A.S.—287/Bom/90.

Name & Application No.

MADRAS

(876/Mas/90 to 971/Mas/90)

—A—

Akzo N.V.—925/Mas/90.

A Menarini Industrie Farmaceutiche Rinnite S.r.L.—891/Mas/90.

Ammonia Casale S.A.—969/Mas/90.

Ampex Corporation.—965/Mas/90.

Astra Research Centre India.—933/Mas/90.

Atochem.—946/Mas/90.

—B—

Badami V.R.N.R.—892/Mas/90.

Brevetti Gaggia S.P.A.—908/Mas/90.

—C—

Cargill Incorporated.—952/Mas/90.

Caterpillar Inc.—898/Mas/90.

Central Power Research Institute.—936/Mas/90, 937/Mas/90, 938/Mas/90.

—D—

Danby Developments Inc.—909/Mas/90.

Diebold Incorporated.—954/Mas/90.

Du Pont-Howson Limited.—926/Mas/90.

—E—

Egis Gyogyszergyar.—950/Mas/90.

Elkem Metals Company.—944/Mas/90.

Elkem Technology. A/s.—894/Mas/90.

Elken Aluminium ANS.—907/Mas/90.

—F—

F. Hoffmann-La Roche Ag.—905/Mas/90.

Fiorentini A.—882/Mas/90.

Focke & Co. (GmbH & Co.).—971/Mas/90.

Enimont Augusta SPA.—951/Mas/90.

Eniricerche SPA.—951/Mas/90.

E T Earth Technology Limited.—922/Mas/90.

—G—

George K.—885/Mas/90 & 886/Mas/90.

Glaxo Group Limited.—958/Mas/90.

Name & Application No.

—H—

Henkel Kommanditgesellschaft auf Aktien.—948/Mas/90 & 949/Mas/90.

Himont Incorporated.—960/Mas/90.

Hoechst Aktiengesellschaft.—935/Mas/90.

Hylsa S.A. de C.V.—881/Mas/90.

—I—

International Business Machines Corporation.—896/Mas/90 & 897/Mas/90.

Ireco Incorporated.—963/Mas/90.

Isoworth Limited.—918/Mas/90.

—J—

Jayapalan P.G.—923/Mas/90.

—K—

Kabushiki Kaisha Toshiba.—884/Mas/90.

Kathirvelu P.—962/Mas/90.

Krishnamoorthy P.R. (Dr.).—929/Mas/90.

Krishnankutty K. (Dr.).—961/Mas/90.

—L—

Lakshminarayana A.—955/Mas/90.

Lasater H.C.—902/Mas/90.

Leone D.—947/Mas/90.

Lucas-TVS Ltd.—968/Mas/90.

—M—

Madurai G.—900/Mas/90.

Maschinenfabrik Rieter Ag.—910/Mas/90, 911/Mas/90, 912/Mas/90, 914/Mas/90, 915/Mas/90, 920/Mas/90, 939/Mas/90, 940/Mas/90, 941/Mas/90, & 967/Mas/90.

Merlin Gerin.—903/Mas/90.

Minnesota Mining and Manufacturing Company.—901/Mas/90, 906/Mas/90, 917/Mas/90, 921/Mas/90, 924/Mas/90, 953/Mas/90.

Mohandas A.P.—876/Mas/90.

Moosa K.M.—904/Mas/90.

—N—

National Research Development Coporation.—893/Mas/90.

Nielsen S.E.—895/Mas/90.

Ngai Shing Development Limited.—932/Mas/90.

—O—

Orszacos "FREDERIC JOLIOT-CURIE" SUGARBIOLOGIAL ES SUGAREGESZSEGUGYI KUTATO INTEZET.—943/Mas/90.

Name & Application No.

—P—

Pains Wessex Limited.—970/Mas/90.

Palitex Project Company GmbH.—890/Mas/90.

Pfister GmbH.—880/Mas/90.

Pont-A. Mousson S.A.—928/Mas/90.

—Q—

Qualcomm Inc.—887/Mas/90, 888/Mas/90, 889/Mas/90.

—R—

Raghavanchandramohanan M.V.—877/Mas/90.

Rauk Taylor Hosson Limited.—945/Mas/90.

Rhone-Poulenc Chimie.—913/Mas/90.

—S—

Sedebro.—959/Mas/90.

Shell Internationale Research Maatschappij B.V.—916/Mas/90.

Shivashankar K.—934/Mas/90.

Societe des Produits Nestle S.A.—957/Mas/90 and 966/Mas/90.

Soerensen G.M.—895/Mas/90.

Southern Petrochemical Industries Corporation Ltd.—879/Mas/90.

Sree Chitra Tirumal Institute for Medical Sciences & Technology.—930/Mas/90.

Subramany S.P.—(Lt. Col.).—964/Mas/90.

Sumitomo Chemical Co. Ltd.—899/Mas/90.

—T—

Tecnomatera S.r.L.—956/Mas/90.

Thermon Manufacturing Company.—919/Mas/90.

—U—

Usinor Sacilor.—878/Mas/90, 883/Mas/90 and 942/Mas/90.

—W—

Widia (India) Ltd.—927/Mas/90.

—Z—

Zardi U.—969/Mas/90.

Zellweger Uster Ag.—931/Mas/90.

DELHI

(1087/Del/90 to 1217/Del/90)

—A—

AFA Products Inc.—1120/Del/90.

Albright & Wilson Ltd.—1168/Del/90.

Name & Application No.

—A-Contd.—

Allen-Bradley Co. Inc.—1130/Del/90.

Alphatrad S.A.—1116/Del/90.

Artificial Limbs Manufacturing Corp. of India.—1090/Del/90 and 1091/Del/90.

Aquafan (Proprietary) Ltd.—1196/Del/90.

Automatic Switch Co.—1195/Del/90.

—B—

Bharat Heavy Electricals Ltd.—1115/Del/90.

Bharat Startch & Chemicals Ltd.—1158/Del/90, 1159/Del/90 and 1186/Del/90.

Bio-Technology General Corp.—1102/Del/90.

—C—

C. R. Board Inc.—1128/Del/90.

Calvest Associates Inc.—1143/Del/90.

Chemetics International Co. Ltd.—1165/Del/90.

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—D—

Daikin Industries Ltd.—1184/Del/90.

Digital Equipment Corporation.—1151/Del/90.

Dr. Beck & Co. Aktiengesellschaft.—1147/Del/90.

Drummer Group Inc.—1089/Del/90.

Dyno Industrier A/s.—1215/Del/90.

—E—

E.R. Squibb & Sons. Inc.—1161/Del/90.

Emhart Industries, Inc.—1188/Del/90.

Energy Conversion Devices, Inc.—1165/Del/90.

Etablissements Vape.—1199/Del/90.

Exxon Chemical Patents Inc.—1103/Del/90, 1150/Del/90, and 1213/Del/90.

—F—

Fedders Lloyd Corporation Ltd.—1144/Del/90.

—G—

Gaz De France.—1148/Del/90 and 1149/Del/90.

GEC Alsthom S.A.—1087/Del/90 and 1138/Del/90.

Name & Application No.

G—Contd.

Gillette Co., The.—1110/Del/90 and 1111/Del/90.

Gupta J.—1154/Del/90, 1155/Del/90 and 1156/Del/90.

—H—

Hartmann & Braun Aktiengesellschaft.—1106/Del/90, 1107/Del/90 and 1108/Del/90.

Heatrae Sadia Heating Ltd.—1094/Del/90.

HGF Laminates.—1146/Del/90.

—I—

Imax Systems Corporation.—1142/Del/90.

International Business Machines Corporation.—1152/Del/90, 1153/Del/90, 1193/Del/90 and 1194/Del/90.

International Paint Public Ltd. Co.—1122/Del/90 and 1133/Del/90.

Irani S.A.—1198/Del/90.

—J—

Jain S.S.—1211/Del/90 and 1212/Del/90.

Jha C.S.—1092/Del/90.

Juzhnoe Proizvodstvennoe Ohiedinenie Po Morskim Geologoraz-Vedochnym Rabotam "Juzhmorgeologia".—1217/Del/90.

—K—

Kali-Chemie A.G.—1167/Del/90.

Kazanaky Aviatsionny Institut Imeni A.N. Tupoleva.—1217/Del/90.

—L—

Lubrizol Corporation, The.—1216/Del/90.

—M—

Miller D.L.—1096/Del/90.

Mishra A.C.—1134/Del/90.

Mobil Solar Energy Corporation.—1197/Del/90.

Morton Thiokol Ltd.—1139/Del/90.

Motorola Inc.—1160/Del/90.

Name & Application No.

—N—

National Research Development Corporation.—1117/Del/90 and 1118/Del/90.

Nugent R.R.—1129/Del/90.

—P—

Poelain Hydraulics.—1121/Del/90 and 1140/Del/90.

Primages Inc.—1164/Del/90.

Procter & Gamble Co., The.—1093/Del/90, 1135/Del/90, 1157/Del/90, 1191/Del/90 and 1192/Del/90.

—R—

Rambus Inc.—1214/Del/90.

Richter Gedeon Vegyeszeti Gyar Rt.—1104/Del/90.

Riker Laboratories, Inc.—1127/Del/90.

Rohm & Haas Co.—1162/Del/90, 1189/Del/90 and 1190/Del/90.

Gunnerman R.W.—1109/Del/90.

—S—

Sarin R.—1187/Del/90.

Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland.—1088/Del/90.

Sharma S.P.—1145/Del/90.

Shell Internationale Research Maatschappij B.V.—1131/Del/90.

Societe De Conseils De Recherches Et D'Applications Sciecutifiques (S.C.R.A.S.).—1105/Del/90 and 1132/Del/90.

Smiths Industries Public Ltd. Co.—1095/Del/90.

Stein-Heurtay.—1112/Del/90, 1113/Del/90 and 1185/Del/90.

—T—

Tandon A.K.—1092/Del/90.

Tandon R.K.—1114/Del/90.

Tremco Incorporated.—1163/Del/90.

—U—

Union Carbide Industrial Gases Technology Corporation.—1119/Del/90.

—W—

Williams J.E.—1141/Del/90.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration in the entry.

Class 1. No. 162430. Dr. Beli Ram & Sons (Mfg), 3/17, Asaf Ali Road, New Delhi-110002, India, Indian Proprietorship Firm. "Indicator Disc used for weighing". August 21, 1990.

Class 3. Nos. 162463 & 162464. Sajavat, a sole proprietorship concern, 210, Golf Links, New Delhi-110003, India. "Decorative Article". August 29, 1990.

Class 3. No. 162603. Upinder Singh S. Narula, Indian, 5, Sunview Apartments, Opp. Purnanand Ashram, Navjivan Post, Ahmedabad-380014. "Hand Shower". October 29, 1990.

Class 12. No. 162744. Smt. Neelam A. Chainani, Indian National, Synthetic Esters & Chemicals, Proprietory Firm, 142, Atur Terraces, Cuffe Parade, Bombay-400005, Maharashtra, India. "Toilet Soap". December 11, 1990.

Extension of copyright granted for the 2nd period of five years.

Nos. 153908, 162353, 162275, 162412, 162264 and 162265 ..... Class 3

Nos. 162353, 162275, 162412, 162264 and 162265 ..... Class 3

R. A. ACHARYA,
CONTROLLER GENERAL OF PATENTS,
DESIGNS AND TRADE MARKS.

ग्रo पाo सo मुo फo--जी--517 जीo आइo/90—350
MGIPF—G—517 GI/90—350.

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